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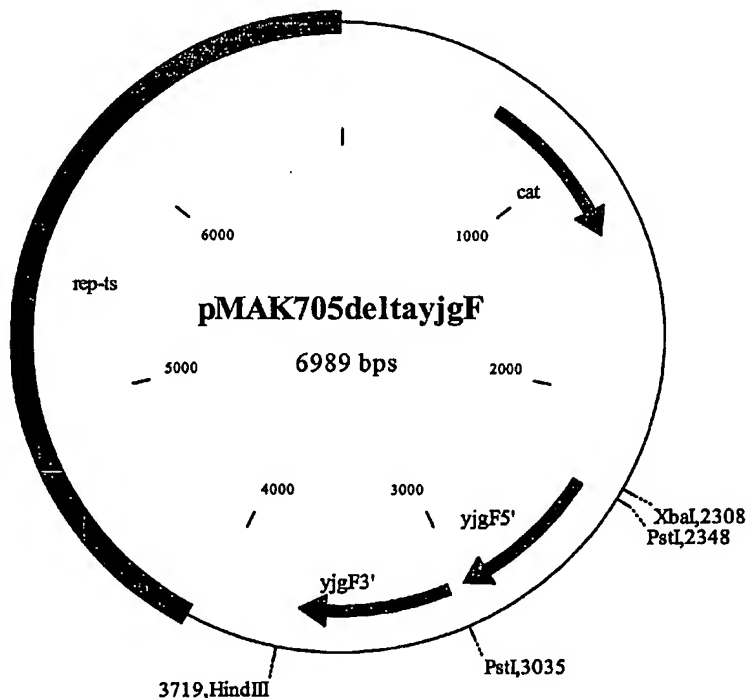
**Declaration under Rule 4.17:**

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,*

*[Continued on next page]*

(54) Title: PROCESS FOR THE FERMENTATIVE PREPARATION OF L-AMINO ACIDS USING STRAINS OF THE ENTEROBACTERIACEAE FAMILY WHICH CONTAIN AN ATTENUATED YJGF ORF SEQUENCE

Map of the plasmid pMAK705deltayjgf



(57) Abstract: The invention relates to a process for the preparation of L-amino acids, in particular L-threonine, in which the following steps are carried out: a) fermentation of microorganisms of the Enterobacteriaceae family which produce the desired L-amino acid and in which the yjgF ORF or the nucleotide sequence which codes for it are attenuated, in particular eliminated, b) concentration of the L-amino acid in the medium or in the cells of the bacteria, and optionally c) isolation of the L-amino acid.

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/14271

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
IPC 7	C12P13/06 C12P13/20	C12P13/08 C12P13/22	C12P13/10 C12P13/04	C12P13/12	C12P13/14
According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b>					
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12P					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) WPI Data, PAJ, EPO-Internal, BIOSIS, MEDLINE, SEQUENCE SEARCH, EMBL					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category *	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
A	ENOS-BERLAGE JODI L ET AL: "Complex metabolic phenotypes caused by a mutation in yjgF, encoding a member of the highly conserved YER057c/YjgF family of proteins" JOURNAL OF BACTERIOLOGY, vol. 180, no. 24, December 1998 (1998-12), pages 6519-6528, XP002276338 ISSN: 0021-9193 cited in the application the whole document				1-10
A	WO 02/36797 A (DEGUSSA) 10 May 2002 (2002-05-10) the whole document				1-10
-/-					
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.					
<b>* Special categories of cited documents :</b>					
"A" document defining the general state of the art which is not considered to be of particular relevance			"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier document but published on or after the international filing date			"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
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"O" document referring to an oral disclosure, use, exhibition or other means			"G" document member of the same patent family		
"P" document published prior to the international filing date but later than the priority date claimed					
Date of the actual completion of the international search  7 April 2004			Date of mailing of the international search report  23/04/2004		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3018			Authorized officer  Kools, P		

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International Application No  
PCT/EP 03/14271

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>LANDGRAF J R ET AL: "THE ROLE OF H-NS IN ONE CARBON METABOLISM" BIOCHIMIE, MASSON, PARIS, FR, vol. 76, no. 10/11, 1994, pages 1063-1070, XP008014239 ISSN: 0300-9084 the whole document</p>	9
A	<p>PARSONS LISA ET AL: "Solution structure and functional ligand screening of HI0719, a highly conserved protein from bacteria to humans in the YjgF/YER057c/UK114 family." BIOCHEMISTRY, vol. 42, no. 1, 14 January 2003 (2003-01-14), pages 80-89, XP002276339 ISSN: 0006-2960 (ISSN print) the whole document</p>	1-10
T	<p>SCHMITZ GEORGE ET AL: "Reduced transaminase B (IlvE) activity caused by the lack of yjgF is dependent on the status of threonine deaminase (IlvA) in Salmonella enterica serovar typhimurium." JOURNAL OF BACTERIOLOGY, vol. 186, no. 3, February 2004 (2004-02), pages 803-810, XP008029591 ISSN: 0021-9193 the whole document</p>	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			AU	1591002 A		15-05-2002
			WO	0236797 A2		10-05-2002
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